

MICHAEL S. FLAHERTY

Full-Stack Developer | Hardware Specialist | Web3 Architect

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SUMMARY

Multidisciplinary technologist with 25+ years cumulative expertise spanning full-stack JavaScript development, Web3/Solana integration, hardware diagnostics, and digital entrepreneurship. Proven ability to architect, develop, and deploy production applications. 300+ successful device repairs with specialized expertise in data recovery and unbricking. Expert in modern web technologies including Tailwind CSS, GSAP animations, Chart.js visualization, OAuth 2.0, and blockchain integration.

300+	25+	8	100%
Devices Repaired	Years Experience	Affiliate Integrations	Link Verification

CORE TECHNICAL SKILLS

Frontend Development

HTML5, Tailwind CSS, JavaScript ES6+, GSAP, Chart.js

Backend Development

Node.js, Express.js, OAuth 2.0, JWT, PostgreSQL

Web3 & Blockchain

Solana, Web3.js, Wallet Auth, Smart Contracts, Phantom SDK

Specialized Expertise

Data Recovery, Unbricking, ESN/IMEI Repair, Security, DevOps

PROFESSIONAL EXPERIENCE

Founder & Technical Lead • TradeHax Hybrid 2025 - Present

Full-stack architect of production web application integrating device repair services, music instruction, trading platform, and Web3 community features.

- Architected responsive SPA (600+ HTML lines, 500+ JS)
- Implemented Solana wallet authentication with OAuth 2.0
- Built crypto dashboard with Chart.js (BTC, ETH, SOL)
- Engineered advanced quote calculator with animations
- Integrated GA4 with custom conversion tracking (8 affiliates)
- Deployed to GitHub Pages with zero breaking changes

Senior Device Repair Specialist • Independent 2000 - Present

Specialized in data recovery, unbricking, water damage remediation, and custom hardware modifications across all major platforms.

- 300+ successful repairs with 95%+ satisfaction
- 2-hour average response for diagnostics
- Expert: data retrieval, ESN/IMEI repair, water damage
- Remote support via TeamViewer & mail-in service

- iOS, Android, Windows, macOS, gaming devices
- Zero permanent data loss on completed repairs

Professional Musician & Producer • Independent 1998 - Present

25+ years of advanced guitar development, 1-on-1 music instruction (/45min), and audio/video production services.

FEATURED PROJECTS

tradehax.net - Full-Stack Web Application

Production platform with 8 sections, advanced quote calculator, crypto watchlist, Web3 authentication, floating mobile CTA, smooth scroll navigation, GA4 analytics, and 8 affiliate integrations.

Tech: HTML5, Tailwind CSS 2.2.19, Vanilla JS, GSAP 3.12.2, Chart.js, Node.js, Express.js, Solana, OAuth 2.0

Professional Profile & Services Portal (about.html)

Responsive 2-column layout showcasing 4 service categories (Device Repair, Development, Guitar Lessons, Market Insights) with 30+ specialized service items, resume viewer, and professional biography.

Tech: HTML5, Tailwind CSS, Accessibility (WCAG 2.1), PDF embedding

Backend Infrastructure & Web3 Integration

Express.js server with Solana wallet authentication (Phantom, Solflare), OAuth 2.0 (Discord, Google), JWT management, PostgreSQL design, secure REST APIs with CORS.

Tech: Node.js, Express.js, Solana Web3.js, JWT, OAuth 2.0, PostgreSQL

KEY ACHIEVEMENTS

- Built full-stack web application from concept to GitHub Pages production deployment
- Implemented Web3/Solana blockchain authentication without prior blockchain experience
- Designed and deployed responsive multi-page web platform with zero critical vulnerabilities
- Achieved 300+ successful device repairs with industry-leading data recovery expertise
- Established 8 active affiliate partnerships generating passive revenue streams
- Created comprehensive technical documentation (200+ lines across multiple guides)
- Maintained 100% uptime across production applications with clean git history

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